7. Joanna

Program Name: Joanna.java Input File: joanna.dat

Joanna plans to work a summer job to earn enough money to purchase a new laptop computer and accessories before her senior year in high school. She also hopes to have some money left to spend on summer fun. With multiple job opportunities and numerous options for the computer and accessories she needs a program to evaluate the options. Joanna will not make enough to have income tax deducted from her paycheck but understands that 7.65% will be deducted for social security. Also, sales tax will be applied to the laptop and accessories purchase. She wants to know for each option how much net pay she will get working 10 weeks, how much will be spent on the laptop and accessories including sales tax, and how much will be left for summer spending.

Here is some information to understand job pay:

- Weekly gross pay = pay rate x hours worked per week
- Weekly net pay = gross pay less 7.65% (social security deduction)

Extra attention to accuracy is needed when working with money values!

Input: The first line of the data file contains a count of the number of data sets, with each data set describing a specific option to evaluate. Each of the following lines will contain one complete data set with five numeric values separated by whitespace: hourly pay rate for a job, number of weekly hours as a decimal number, price of the laptop, price of the accessories, and sales tax rate as a percentage. All values are decimal numbers except the initial count which is an integer.

Output: 3 lines of output for each set of input data followed by row of nine stars, "`*********`". Output must use exact labels as shown below with the colon, a single space, and a dollar sign preceding the value. The values are displayed as shown below with the decimal points aligned and commas as necessary. Comments in ( ) are not output.

1. `Net Pay:  $9,999.99` (total 10-week pay less social security deduction)
2. `Purchase: $9,999.99` (total price of laptop and accessories including sales tax)
3. `Fun Cash: $9,999.99` (net pay less purchase)

Sample input:

```
3
8.95 20.5 979.99 135.87 8.25
9.25 25.00 861.19 161.94 8.25
9.65 20.00 986.40 139.68 8.25
```

Sample output:

```
Net Pay:  $1,694.40
Purchase: $1,207.92
Fun Cash: $  486.48
*********
Net Pay:  $2,135.60
Purchase: $1,107.54
Fun Cash: $1,028.06
*********
Net Pay:  $1,782.40
Purchase: $1,218.98
Fun Cash: $  563.42
*********
```